



Multi-Sport Athletic Surface – Smooth or Textured 6 / 8 / 10 / 12 / 13 mm

Multipurpose sports flooring with a durable, non-porous and easy to clean surface makes Propel an easy roster pick. Propel is a multi-sport surface with anti-fatigue features and better shock absorbing properties. A choice your athletes are sure to benefit from.



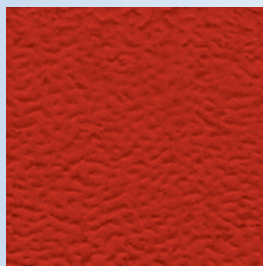
Sandstone / Smooth-01 (only available in smooth finish)

Colors Below Available in Texture

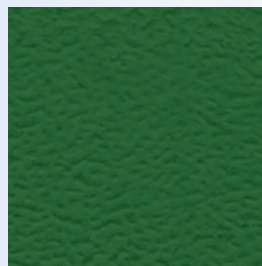


Orange Peel (OP)

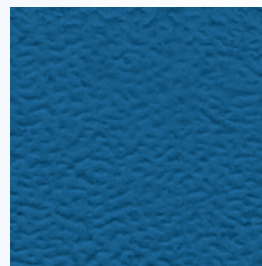
Color Options* All colors below available in Orange Peel (OP) texture



Red P-16 OP



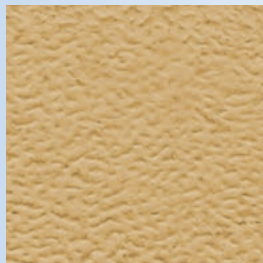
Green P-31 OP



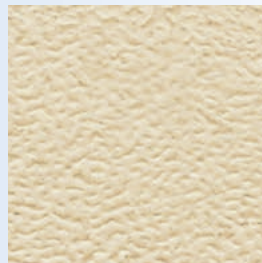
Blue P-21 OP



Lt. Blue P-20 OP



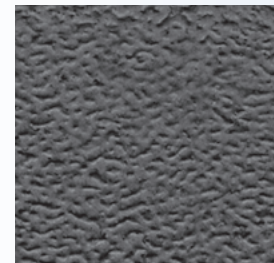
Yellow P-50 OP



Sand P-67 OP



Lt. Gray P-40 OP



Dk. Gray P-41 OP

* Custom Colors Available. Colors are representational only.

Product Dimensions

Thickness: 6, 8, 10, 12, and 13 mm
System Type: 4'0" Wide Roll (1.2 meters)



PART 1 - GENERAL

1.1 DESCRIPTION:

- A. Scope
 - The complete installation of a prefabricated rubber sports surface including adhesive and game line striping as manufactured by RPM Sports Floors
- B. Related work specified under other sections.
 - 1. CONCRETE SUBFLOORSSECTION 03300
 - a. Slab Depression: Equal to thickness of selected flooring (6, 8,10,12,13mm).
 - b. Concrete Finish: Shall be steel troweled, dense and finished smooth, not polished.
 - c. Slab Tolerance: A tolerance of 1/8" (3mm) in 10' (3m) radius shall be maintained throughout. Floor Flatness and Floor Levelness (FF and FL) numbers are not recognized.
 - d. No concrete curing, hardening or sealing agents shall be applied to the concrete subfloor.
 - 2. MEMBRANE WATERPROOFINGSECTION 07100
 - a. Concrete subfloors on or below grade shall be adequately waterproofed, beneath, at perimeter walls, and on earth side of below grade walls.
 - b. Type and extent of membrane shall be determined by the Project Engineer and installed by the General Contractor.
 - 3. THRESHOLDSSECTION 08700
 - 4. GAME STANDARDSSECTION 11500

1.2 QUALITY ASSURANCE:

- A. Manufacturer
 - 1. Manufacturer shall be an established firm with a minimum of 10 years in business specializing in manufacturing prefabricated sheet rubber for athletic surfaces.
 - 2. Manufacturer shall be ISO 9001 & ISO 14001 certified.
- B. Flooring Contractor:
 - 1. The complete installation of the flooring system shall be performed only by an experienced flooring contractor with a minimum three years of experience installing athletic surfaces and approved by the manufacturer.
 - 2. All work will be performed in accordance with the most recent printed installation instructions of the manufacturer.

1.3 DELIVERY, STORAGE AND HANDLING:

- Materials must be delivered in manufacturer's original, unopened and undamaged packaging with identification labels intact.
- 1. The general contractor shall provide an area where stored materials can be maintained at 65 to 80 degrees F (18.3 to 26.7 degrees C).
 - 2. Store material in a secured area protected from exposure to harmful weather conditions on a clean, dry, flat surface protected from possible damage.

1.4 SITE CONDITIONS:

- The prefabricated rubber sheet flooring specified herein shall not be installed until all trades including but not limited to, masonry, painting, plaster, tile, marble, terrazzo, carpentry, overhead mechanical trades', goals, scoreboard, electrical, and painters have finished in the installation area.
- 1. The area will be closed and secured from all foot traffic and trades for duration of the installation and curing period.
 - 2. The building shall be enclosed, weather-tight, with permanent windows and lockable doors.
 - 3. Permanent heat, light and ventilation shall be installed and operating prior to, during and after installation.
 - 4. Subfloors shall be broom clean, dry and free from dirt, dust, oil, grease, paint, and alkali, concrete curing agents, hardening and parting compounds, old adhesive residue or other foreign materials.
 - 5. Moderate room temperature of 65 to 80 degrees F (18.3 to 26.7 degrees C) shall be maintained for a week prior to, during and for 72 hours after installation.
 - 6. Concrete tolerance of 1/8 inch (3mm) in ten foot (3m) shall be maintained throughout. High spots shall be ground level and low spots filled with a Portland base compound such as Ardex Feather Finish. No concrete curing, hardening or sealing agents shall be applied to concrete.
 - 7. Concrete must dry for a minimum of 30 days and slab moisture levels shall not exceed 5 lbs. per 1000 (2.27 kg per 304.8 m) in accordance to ASTM F1869 Anhydrous Calcium Chloride and/or "Determining Relative Humidity in Concrete with In-Situ Probes" not to exceed 85% respecting ASTM F2170. HVAC must be operational and with a constant temperature for 7 days prior to testing.

1.5 WARRANTY:

RPM Sports Floors provides a limited warranty of one (1) year on materials. This warranty does not cover floor damage caused (wholly or in part) by fire, winds, flood, other unfavorable atmospheric conditions or chemical action, nor does it apply to damage

caused by ordinary wear, misuse, failure to follow recommended maintenance instructions, abuse, negligent or intentional misconduct, aging, faulty building construction, concrete slab separation or movement, moisture migration either through slab or any other source, faulty or unsuitable subsurface or site preparation, settlement of the building walls or faulty or unprofessional installation of RPM flooring systems.

PART 2 – PRODUCTS

2.1 MANUFACTURER:

Basis for design is Propel as manufactured by RPM Sports Floors.

2.2 MATERIALS:

- A. Material shall be prefabricated rubber athletic flooring manufactured with a base of natural and synthetic rubber, stabilizing agents and pigmentation.
 - 1. Only vulcanized sheet rubber will be accepted.
 - 2. Flooring surface shall be manufactured to maintain performance criteria, as stated by manufacturer, without defects, damage, or failure.
 - 3. Thickness shall be ____ (choose one, 6, 8, 10, 12, or 13mm)
 - 4. Material shall be provided in rolls only.
- B. Adhesive
 - Two-component polyurethane as supplied by RPM.
- C. Game Line Paint
 - Two-component polyurethane. Select from standard colors. Primer required.

PART 3 - EXECUTION

3.1 INSPECTION:

- A. Inspect concrete slab for proper tolerance of 1/8 inch (3mm) in ten foot (3m). Report discrepancies to general contractor for correction.
 - 1. High spots shall be ground level and low spots filled with a Portland base compound such as Ardex Feather Finish.
- B. Perform moisture testing of the slab, results will not exceed 5 lbs. per 1000 (2.27 kg per 304.8 m) in accordance to ASTM F1869 Anhydrous Calcium Chloride and/or "Determining Relative Humidity in Concrete with In-Situ Probes" not to exceed 85% respecting ASTM F2170. Report results to the general contractor.
 - 1. HVAC must be operational and with a constant temperature for 7 days prior to testing.
 - 2. Allow further drying time if moisture tolerances are exceeded.
- C. Ensure all requirements from section 1.6 SITE CONDITIONS are completed and satisfied.
- D. All work required to put the concrete slab in an acceptable condition and provide correct working conditions for a successful installation is the responsibility of the General Contractor or Construction Manager.

3.2 INSTALLATION:

- A. Install athletic flooring in accordance with current manufacturer's installation instructions
 - 1. Disc sand concrete in preparation to receive flooring material.
 - 2. Unroll flooring and allow relaxing overnight while maintaining a constant room temperature.
 - 3. Thoroughly mix two-component polyurethane adhesive per manufacturer's instructions and apply directly to concrete subfloor.
 - 4. Install flooring into freshly applied adhesive, scribing and fitting neatly at walls, around columns and around door frames. Use matching urethane caulk at tight fit locations.
 - 5. Roll material in multiple directions with a 100-pound (45.4 kg) roller to remove entrapped air.
 - 6. Clean any adhesive that migrates between seams with recommended product.
 - 7. Hold and weight all seams in place with cinder bricks. Leave weight in place for a minimum of 12 hours.
- B. Game Lines
 - 1. Use only high quality masking tape approved by RPM.
 - 2. Carefully layout and mask game lines as indicated on drawings.
 - 3. Prime area to receive paint per manufacturer's instruction.
 - 4. Thoroughly mix two-component game line paint.
 - 5. Apply paint by spray method
- C. Wall Base (optional)
 - Install vinyl base anchored to walls with base cement.
- D. Cleanup
 - 1. Collect and remove all bricks (weights)
 - 2. Remove all excess and waste materials from the area of work. Leave area clear from installation debris and empty containers.

END OF SECTION 09624